## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO.     | DATE     |
|---------------------------|----------|------------|----------|
| POSITION                  |          |            |          |
|                           | 1/11/    |            | 04-05-01 |
| FEE DETERMINATION         | MW       | 1/2        | 3-/2/01  |
| O.I.P.E. CLASSIFIER       |          | /          | 21.0     |
| FORMALITY REVIEW          | #=5      | <u>+66</u> | 00 010   |
| RESPONSE FORMALITY REVIEW |          |            |          |
|                           |          |            |          |

## INDEX OF CLAIMS

| (Through numer | Allowed | ad .      | Non-elected Interference Appeal Objected |                   |    |  |  |  |  |  |  |  |
|----------------|---------|-----------|--|-------------------|----|--|--|--|--|--|--|--|
|                | Claim   | Date      |  | Claim             | Da |  |  |  |  |  |  |  |
| aim Solate     | Final   |           |  | Final<br>Original |    |  |  |  |  |  |  |  |
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|                      | 1  | Ġ,                 |                   | .3          | •   | ••••         |         |          |          |  |          |          |            |               |              |                         |              |          |          |          |           | ·        | ,        |          |                 |              |                |          |                   |                         |                |                   |                 |                   | $\neg$    |
|----------------------|----|--------------------|-------------------|-------------|---|--------------|---------|----------|----------|--|----------|----------|------------|---------------|--------------|-------------------------|--------------|----------|----------|----------|-----------|----------|----------|----------|-----------------|--------------|----------------|----------|-------------------|-------------------------|----------------|-------------------|-----------------|-------------------|-----------|
|                      | 4  | $\succeq$          |                   | É           | Date  |              |         |          |          | $\neg$   | (        | Cla      | im         |               | _            |                         | Da           | te       | _        |          |           | _        |          | CI       | ain             | <del> </del> | -              | _        | [<br>             | Date                    | )<br>T         |                   |                 | _                 | ᅱ         |
| S. Orginal           | Π. | <b>1</b> 50        | B                 | 6           | 201   | $\dot{\neg}$ | -т      | $\neg$   | Т        | ヿ  |          |          | $\neg 	op$ | T             | Τ            | Γ                       |              |          |          |          |           |          |          |          | 1               |              |                | 1        |                   | 1                       |                |                   |                 |                   |           |
| original<br>o.c. 6   | 43 | #                  | 2                 | 7           | ۱ د   | l            | Ì       | .        | ļ        |  |          | ᇹ        | ig.        | Ì             | 1            |                         | 1            | Ì        |          | 1        | Ì         | 1        | 1        | Final    | orioin<br>la di | P            | 1              |          |                   | 1                       | ١              | - 1               |                 | Ì                 | -         |
| <b>E</b> 0           | 4  | d                  | $^{*}$            | 17          |   | ŀ            |         |          |          |  |          | Final    | Original   | 1_            | L            | $\perp$                 | 1_           | Ļ        | $\bot$   | +        | +-        | 1        | 4        | 1        | - 10            |              | -+             | -+       | $\dashv$          | $\dashv$                | -              | -                 | $\vdash$        | -+                | $\dashv$  |
| <del>\</del>         |    | - 4                | <del>!\.</del>    | 7           | $\leftarrow$  |              | $\neg$  | $\dashv$ | T        | 7  |          |          | 51         | L             |              |                         | L            | 丄        | $\perp$  | _        | 1_        | $\perp$  | -        | -        | 10              |              |                | -+       | -+                | -                       | -              | -+                | $\vdash \vdash$ | +                 | ㅓ         |
| 2                    | +  | $\dashv$           | N/                | *           |   | $\neg$       |         | $\Box$   | $\neg$   | $\neg$   |          |          | 52         |               |              | L                       | _            | 上        | $\perp$  | 4        | 4_        | 1_       | 4        | -        | 10              |              |                |          | $\dashv$          | $\dashv$                |                |                   | Н               | +                 | ㅓ         |
| 3                    | +  | $\dashv$           | ∜                 | Н           |   | _            |         | $\vdash$ |          | ٦  |          |          | 53         |               | ٦            |                         | J            |          |          | $\perp$  | $\perp$   | ↓_       | 4        | $\perp$  | 11              |              |                |          |                   |                         | $\dashv$       | -                 | $\vdash$        |                   | $\dashv$  |
|                      | +  | -                  | V                 | Н           | _   |              | ┝       | $\vdash$ | 寸        | ⊣  |          |          | 54         | I             |              |                         | I            | 工        | $\perp$  | $\perp$  | 4         | $\bot$   | 4        | $\vdash$ | 10              |              | $\dashv$       |          |                   | $\dashv$                | -              | _                 | $\vdash$        | -+                | -         |
| 5                    | Н  | -                  | 7                 | +           | _   | -            | ┝       | Н        |          | $\neg$   |          | Г        | 55         | $\top$        | $\mathbb{T}$ | 1                       |              | 上        | $\perp$  |          | _ _       | 4_       | 4        | -        | 10              |              |                | ᅱ        |                   | -+                      |                | $\vdash$          | H               | $\dashv$          | $\dashv$  |
| 6                    | Н  | -                  | 7                 | 7           | _   | Ι-           | 1       | $\Box$   |          | 7  |          |          | 56         |               |              | 1                       | $\perp$      | $\perp$  | $\perp$  | _        | _         | 4_       | 4        | -        |                 | )6           |                |          | $\vdash$          |                         | $\vdash$       | -                 | $\vdash$        | $\vdash$          | $\dashv$  |
| Ď                    | Н  | . 1                | <u> </u>          | T           | ┝   | ┢            | -       | $\vdash$ | Ħ        | ヿ  |          |          | 57         |               |              | $\perp$                 |              | 1        | $\perp$  | 1        | 1         | 4-       | 4        | $\perp$  |                 | 07           |                |          | $\vdash$          |                         | -              | ├                 | $\vdash$        | $\vdash$          | -         |
| #                    |    | 727                | ۲-                | +           | Η.  | 1            |         | $\vdash$ |          |  |          |          | 58         |               |              | $\perp$                 | $\perp$      | ᆚ        | $\perp$  | _        | _         | -        | 4        | $\vdash$ | _               | 08           |                |          | Н                 |                         |                | -                 | $\vdash$        | $\vdash \uparrow$ | _         |
|                      | 7  | 7                  | ₹                 | -\ <u>\</u> | $\vdash$  | $\vdash$     | ╁╴      | T        |          | $\Box$   |          |          | 59         |               |              |                         | $\perp$      | $\perp$  | 1        | $\perp$  | 4         | - -      | 4        | -        | _               | 09           |                | -        | -                 | $\vdash$                | ╢              | ⊢                 | +-              | $\vdash$          | _         |
| 9                    | +  | _                  | 7                 |             | ┢   | ┢            | $t^-$   | $\vdash$ |          | М  |          | $\Gamma$ | 60         |               |              | $\perp$                 | $\perp$      | 1        | _        | _        | 4         | 4.       | 4        | $\vdash$ |                 | 10           | -              | -        | -                 |                         | ├-             | ├-                | ╁               | $\vdash$          |           |
| 11                   | -1 |                    | V                 |             | -   | -            | ╁╴      | ╁╌       | T        | П  |          |          | 61         | $\top$        |              |                         |              |          | $\perp$  | _        | $\perp$   | 4        | 4        | -        | _               | 11           | -              | -        | ┝                 | -                       | -              | ┼─                | $\vdash$        | $\vdash$          | _         |
| F2                   | -  |                    | Ľ                 |             | <del>/-</del>   | +-           | +-      | 1        | †        | П  |          |          | 62         |               | I            | floor                   |              |          | 1        | $\perp$  | 1         |          | 4        | -        |                 | 12           |                | -        | -                 | -                       | <del> </del> — | +                 | +               | $\vdash$          | _         |
| 10<br>11<br>12<br>13 | -  | 1                  |                   | Υ,          | $\vdash$  | +-           | $t^{-}$ | T        | $t^-$    |  |          | Г        | 63         |               |              | $oxed{I}$               | $\perp$      |          | $\perp$  | $\bot$   | _         | $\perp$  | 4        | <u> </u> | _               | 13           | -              | -        | <del> </del>      | -                       | +              | +-                | +               | $\vdash$          | $\vdash$  |
| 14                   | -  | ,                  | ╁                 | H           | ╁╴  | ╁            | ╁╴      | +        | t        | Т  | İ        |          | 64         | $\neg$        | $\prod$      | $oldsymbol{\mathbb{I}}$ | $\perp$      |          | $\perp$  | $\bot$   | $\perp$   | $\bot$   | _        | -        |                 | 14           | ├-             | ├-       | ├-                | +-                      | $\vdash$       | +                 | +               | ╁╌                | 一         |
|                      | 2  | K                  | -                 | H           | 1,  | ╁            | 十       | +        | 十        | <del>                                     </del> | 1        | $\vdash$ | 65         | $\neg$        | 7            |                         |              |          |          | $\perp$  |           | _        | 4        | -        | _               | 15           | ├-             | ⊢        | ┼-                | ╀                       | +              | ╁                 | +-              | ╁╌                | $\vdash$  |
| 15                   | _  | -                  | ╁                 | ⊢           | <del>/</del>  | +-           | +       | +        | +        | $\vdash$   | 1        |          | 66         |               | T            |                         |              | floor    | _        | _        |           | $\perp$  | _        | -        |                 | 16           |                | -        | +-                | ╁                       | +              | +-                | +-              | +                 | +         |
| 16                   | _  | -                  | $\vdash$          | 0           |   | 十            | +       | +        | +        | †  | 1        |          | 67         | _             |              |                         | $\Box$       | floor    | $\Box$   | $\perp$  | $\perp$   | $\perp$  | _        | L        |                 | 17           | ┼-             | 1        | $\vdash$          | +-                      | +-             | +                 | +               | +-                | +-        |
| 17                   | _  | -                  | ╀                 | 1.          | ╁   | +            | +-      | +        | T        | †  | 1        |          | 68         | $\neg$        | $\neg$       |                         | $oxed{oxed}$ | I        |          | $\sqcup$ |           |          | 4        | -        |                 | 18           | $\vdash$       | $\vdash$ | +-                | $\vdash$                | +              | +-                | +-              | +                 | +         |
| 18                   |    | -                  | +-                | V           | ╁   | ┿            | ╁       | +-       | ✝        | $\vdash$   | 1        | $\vdash$ | 69         |               |              | T                       | $\neg$       | $\Box$   |          | $\perp$  |           |          | _        | L        |                 | 119          | ↓_             | ╄-       | +                 | $\vdash$                | +-             | +-                | +-              | +                 | $\vdash$  |
| 19                   |    | }-                 | ╀                 | ╀           | +-  | ╂            | ╫       | +        | +        | +-   | 1        | F        | 70         | $\Box$        | - 1          |                         | $\neg$       | T        | ٦        |          |           | - [      | -        | L        |                 | 20           | 1_             | ļ_       | L                 | ╄-                      | 4-             | 1                 | +-              | ╁-                | +-        |
| 20                   |    | 1                  | ╄-                | ↓_          | 1   | +-           | +       | +-       | ╀        | +  | 1        | -        | 71         | $\vdash$      | 一            | _†                      | _            | 一        | 7        |          | $\neg$    | ╗        | 7        |          |                 | 121          | 1_             | $\perp$  | 1                 | 1                       | 1              | $\perp$           | 4-              | +                 | ╀         |
| 21                   | _  | Ļ,                 | ـــ               | 1           | 4-  | ┰            | +       | ┿        | +-       | ╁  | 1        | -        | 72         | -             | _            | _                       | 寸            | ヿ        |          |          |           | Т        | 7        |          |                 | 122          | $\perp$        | ┸        | $\bot$            | ┺                       | $\bot$         | $\perp$           | 4-              | +                 | ╀         |
| 22                   |    | L                  | 1                 | ╄           | $\perp$   | 4            | +       | +        | ╀        | +-   | -        | $\vdash$ | 73         | H             | _            | 寸                       | 寸            | $\neg$   | $\neg$   |          | 7         | 7        | ٦        | Γ        |                 | 123          | L              |          | ┸                 | $\perp$                 | 1              | $\perp$           |                 | 4                 | ╄         |
| 23                   | _  | L                  | $\perp$           | Ļ           | 1   | 4-           | -       | -        | ╁        | ╀  | 4        | $\vdash$ | 74         | Н             | -            | -                       | _†           | _        |          |          | _1        |          | $\neg$   | ſ        |                 | 124          | 1_             |          | ┸                 | 丄                       |                | $\perp$           | _               | 4                 | $\bot$    |
| 24                   |    | L                  | ᆚ.                | L           | 4   | 1            | 4       | +        | +-       | +  | 4        | -        | 75         |               | $\dashv$     | $\dashv$                | -            | 一        | _        | М        |           | 一        | ╗        | Ī        |                 | 125          | L              |          |                   | L                       | ┵              | $\perp$           | 4               | 4                 | $\bot$    |
| 25                   |    |                    | $\perp$           | 1           | 4   | 1            | 4       | _        | +        | 4-   | 4        | $\vdash$ | 76         | $\overline{}$ |              | -                       | _            |          |          | $\vdash$ | _         | $\neg$   | $\neg$   | Ī        |                 | 126          | T              | L        | 1                 |                         | $\perp$        | $\perp$           |                 | $\perp$           | 4         |
| 26                   |    | L                  | 1                 | 1           | 4   | 1            | 4-      | +        | 4-       | +  | 4        | -        | 77         |               | _            | Н                       | $\dashv$     | $\dashv$ |          | ┝        | П         | $\neg$   | ヿ        | Ì        |                 | 127          | T              | I        | $\perp$           | ᆚ                       | $\perp$        | $\perp$           | _               | $\perp$           | 4         |
| 27                   |    | L                  | ᆚ                 | 1           | 1   |              | 4       | -        | +        | +  | 4        | -        | 78         | +             |              | ┝╌                      | $\vdash$     | 一        |          | -        | М         | $\Box$   | ᅥ        | 1        |                 | 128          | $\top$         | I        |                   | I                       | $\perp$        | $\perp$           | _               | $\perp$           | $\perp$   |
| 28                   | L  |                    |                   | 1           | $\perp$   | 4            | 4       |          | +        | +  | -        | ⊦        | 79         |               | H            | ├─                      | H            | _        |          | 一        |           | Ħ        | ↰        |          | Г               | 129          | T              | I        | $\perp$           | $\perp$                 | ᆚ              | $\perp$           | $\perp$         | 4                 | 4         |
| 29<br>30             |    | L                  |                   | 1           |   | _            | 4       | 4        | 4        | +  | 4        | ŀ        | 80         |               |              | -                       | H            | Н        | _        | ╁        | ┢         | $\Box$   | $\neg$   |          |                 | 130          | Т              | T        | $\perp$           |                         |                | $\perp$           | $\bot$          | $\perp$           | 4         |
| 30                   | L  | $\perp$            |                   | 1           | 4   | 4            | 4       | 4        | 4        | -  | 4        | -        | 8          | _             |              | •                       | H            | ├─       | -        | 1        | -         | $\Box$   | $\neg$   |          | Г               | 131          |                | T        |                   | $\perp$                 | $\perp$        | 4                 | 4               |                   | +         |
| 31ر                  | Γ  | Ţ                  |                   | $\perp$     | $\perp$   | $\perp$      | _       | $\perp$  | _        | +  | 4        | H        | 82         | _             | $\vdash$     | 1                       | $\vdash$     | -        | Ι-       | 1        | $\vdash$  | $\vdash$ | $\dashv$ |          | Γ               | 132          | T              | I        |                   | $\perp$                 |                | $\perp$           | $\perp$         | $\perp$           | $\perp$   |
| 32                   |    | Ι                  |                   | $\perp$     | $\perp$   | $\perp$      | 4       | -        | 4        |  | $\dashv$ | -        | 83         |               | ├-           | +-                      | +-           | $\vdash$ | +-       | t        | _         |          | $\dashv$ |          | Γ               | 133          |                |          | I                 |                         |                | $\bot$            | $\bot$          | _                 | 4         |
| 33                   |    | floor              | $\perp$           |             | $\bot$  | $\perp$      | _       | 4        | _        | +  | 4        | -        | 84         | -             | +-           | +-                      | +-           | $\vdash$ | $\vdash$ | $t^-$    | $t^-$     | Н        | Н        |          |                 | 134          | $\top$         |          | $oxed{T}$         | $oldsymbol{\mathbb{I}}$ | $\perp \Gamma$ | $\perp$           | $\dashv$        |                   | 4         |
| . 34                 |    | I                  | $\perp$           | 1           | _   | _            | $\perp$ | 4        | 4        | 4  | 4        | 1        | 8          |               | ╀            | $\vdash$                | +-           | +-       | +-       | $\vdash$ | +-        | +-       | Н        |          |                 | 135          | $\top$         | $\top$   | I                 | J                       | $_{\perp}$     | $\perp$           | $\perp$         | 4                 | 4         |
| 35                   |    | floor              | $oxed{oxed}$      |             | $\perp$   | $\perp$      | _       | $\dashv$ | 4        | +  | 4        | ŀ        | 8          | _             | ╁            | +                       | +-           | ╁╴       | +        | +        | +-        | +        | Н        |          | -               | 136          | $\top$         |          | $\Box$            | $\Box$                  | $\Box$         | $\perp$           | $\dashv$        | 4                 | 1         |
| 36                   | _  | $oxed{\mathbb{I}}$ | $oldsymbol{\bot}$ | 1           | $\perp$   | $\perp$      | _       | $\dashv$ | 4        | $\dashv$   | 4        | }        | 8          |               | ╁            | +                       | +            | +        | $t^{-}$  | +        | +-        | $t^-$    |          |          | $\vdash$        | 137          | 1              | _        | $\Box \mathbb{I}$ | $\rfloor$               | $\Box$         | $\perp$           | $\perp$         | <b>二</b>          | 4         |
| 37                   |    | $\prod$            | $\Box$            | $\perp$     | $\perp$   |              | $\perp$ | _        | 4        | +  | $\dashv$ | 1        | 8          |               | ╁            | +                       | +            | +-       | +-       | +        | $\dagger$ | ✝        | +        | Ì        |                 | 138          | _              | $\neg$   |                   |                         | $\Box$         | $oldsymbol{\bot}$ | [               |                   | _         |
| 38                   | 3  | _                  | $\prod$           |             | $\Box$  |              |         |          | _        | $\dashv$   | 4        |          |            | _             | ╀            | ╁                       | +-           | +-       | ╁        | +        | ╁         | 十        | 1        | ĺ        | -               | 139          | $\neg$         | 7        | 1                 |                         | J              |                   |                 | $\perp$           |           |
| 39                   | 9  | T                  |                   |             | $oldsymbol{ol}}}}}}}}}}}}}}}$ |              |         |          | _        | $\perp$  | 4        | ١        | 8          | _             | +            | +                       | +-           | +        | +        | +        | ╁         | +        | 1        | Ì        | r               | 140          | 7              | _†       | 7                 | 丁                       | $\neg$         |                   | _ [             | _]                |           |
| 41                   |    | 7                  | $\neg$            | 1           | ٦   | _[           | _[      |          |          | $\perp$  | ┙        |          | 9          | -             | +            | +                       | +-           | +-       | +        | +-       | ╀         | +        | $\vdash$ | 1        | $\vdash$        | 141          | -+             | 7        | $\neg$            | $\dashv$                | 寸              | $\neg$            | $\neg$          | T                 | $\neg$    |
| 4                    | 1  | 7                  | $\neg$            | ┪           | $\neg$  | 7            |         |          | [        |  | ╝        |          | 9          |               | 1            | +                       | +            | +-       | +        | +        | +         | +-       | +-       | 1        | -               | 142          | $\dashv$       | -+       | -                 | -                       | 一              | $\neg$            | $\Box$          | $\exists$         | $\exists$ |
| 4:                   | _  | -                  | -+                | $\dashv$    |   | $\neg$       |         | $\sqcap$ |          |  |          |          |            | 2             | $\perp$      | $\perp$                 | 4-           | 4        | +        | +        | +         | +-       | ╁╌       | 1        | -               | 143          |                | -        | -+                | -                       | $\dashv$       | $\dashv$          | $\sqcap$        | _                 | $\exists$ |
| 4                    | _  | ┪                  | $\dashv$          |             | _   |              |         | П        |          |  |          |          |            | 3             | 1            | +                       | - -          | +        | +        | +        | +         | 4-       | ╀        | 1        | $\vdash$        | 144          | -+             | ┪        | $\dashv$          | 一                       | $\neg$         |                   | 口               | -1                | 7         |
|                      | 4  | -                  |                   | $\exists$   |   | T            | Г       | П        | $\Box$   |  | ٦        |          |            | 34            | $\perp$      | $\perp$                 | _            | 1        | +        | 4        | +         | +-       | +        | -        | $\vdash$        | 145          | -+             | ᅱ        | -                 | $\dashv$                | $\vdash$       | $\vdash$          | $\vdash$        |                   | $\neg$    |
| 4                    |    | $\dashv$           | -                 | -           | Н   | _            |         | П        |          | . 1  |          |          | -          | 95            | 1            |                         | 4            | +        | +        | 4        | +         | +        | +-       | 4        | +               | 146          |                |          | $\vdash$          | $\dashv$                | 尸              | Г                 | $\vdash$        | 寸                 | 7         |
|                      | 6  | -                  | $\vdash$          | _           | Γ.  | Г            |         | П        |          |  |          | 1        |            | 96            | 1            |                         | $\perp$      | 4        | $\perp$  | 4-       | +         | +        | +        | 4        | +               | 147          | -1             |          | $\vdash$          |                         | Н              | Г                 | М               | $\dashv$          | $\neg$    |
|                      | 7  |                    | $\vdash \dashv$   | _           | $\vdash$  |              | T       | Г        | $\Box$   | П  |          |          |            | 97            |              | $\perp$                 | $\perp$      | 1.       | 1        | 4        | 4         | 4        | $\perp$  | 4        | -               |              | $\vdash\dashv$ |          | $\vdash$          |                         | -              | $\vdash$          | $\vdash$        | $\vdash$          | _         |
|                      | 8  |                    | $\vdash$          | _           | $\vdash$  | $\vdash$     | +-      |          | _        | П  |          | 1        | I -L       | 8             | $\perp$      |                         | _            | $\perp$  | 4        | $\bot$   | $\perp$   | 4        | +        | 4        | H               | 148          |                | -        | $\vdash$          | _                       | $\vdash$       | $\vdash$          | $\vdash$        | $\vdash$          | г         |
|                      | 9  | _                  | $\vdash$          |             | ┢   | $\vdash$     | 1       | T        | $\vdash$ | П  |          | 1        |            | 99            | $\perp$      |                         | $\perp$      | $\perp$  | 4        | _        | 4         | 4        | +        | 4        | H               | 149          |                | -        | -                 | Η-                      | $\vdash$       | ┢                 | $\vdash$        | H                 | Г         |
|                      | 0  | _                  | -                 |             | ╁╴  | 1            | +-      | $\vdash$ | Γ        | П  | Г        | 1        |            | 00            | $\perp$      |                         |              | ᆚ        | 丄        |          | 丄         |          |          | J        | L               | JISC         | <u></u>        | Щ        |                   |                         |                |                   |                 | _                 | _         |

If more than 150 claims or 10 actions staple additional she there